EVATHENE® UE632

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

UE632 is a high VA content ethylene-vinyl acetate copolymer(EVA) with excellent low temperature impact strength, environmental stress crack resistance, flexibility, elasticity, transparency, and easy processability. It could be developed for many new applications and substitute for flexible PVC, rubbers, and other elastomers. One of major application of UE632 is incorporated with blowing agent and cross-linking agent for compression molding or injection molding of foamed shoe sole. Besides, UE632 could be processed by profile extrusion, injection molding, and blown-extrusion while incorporated with additives.

General Information	
Features	Copolymer
	Good Flexibility
	Good Processability
	High Clarity
	High Elasticity
	High ESCR (Stress Crack Resist.)
	Low Temperature Strength
Uses	Foam
	Footwear
	Profiles
Processing Method	Compression Molding
	Extrusion
	Foam Processing

Physical	Nominal Value	Unit	Test Method
Density	0.942	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)	2.2	g/10 min	ASTM D1238
Vinyl Acetate Content	22.0	wt%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	34		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	16.7	MPa	ASTM D638
Tensile Elongation (Break)	820	%	ASTM D638
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	58.0	°C	ASTM D1525
Peak Melting Temperature	82.0	°C	ASTM D3418

Recommended distributors for this material

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